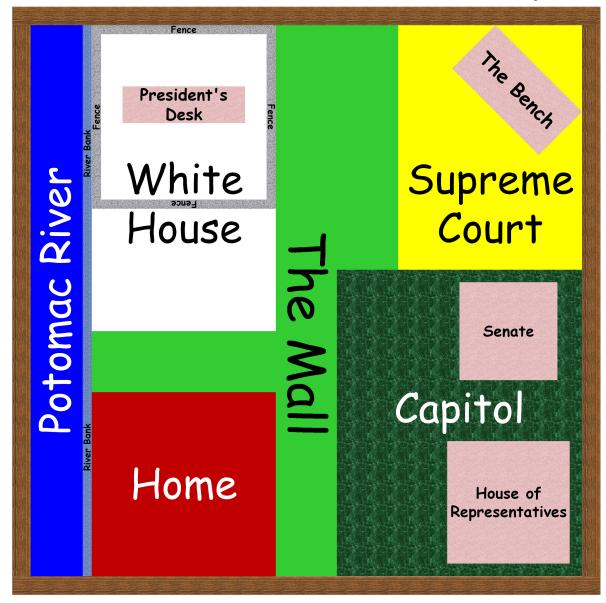


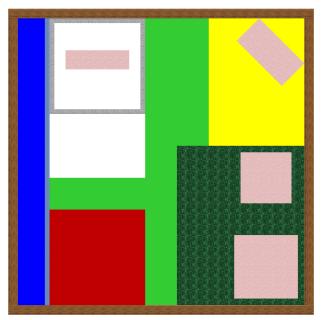
The 2017-2018 EARLY Robotics Competition mission field, the **United States of America Capital**, is a $4' \times 4'$ field with a $2'' \times 4''$ border with various terrain features. The following information is provided for constructing the mission field.

United States of America Capital



2017-2018 EARLY Mission Field

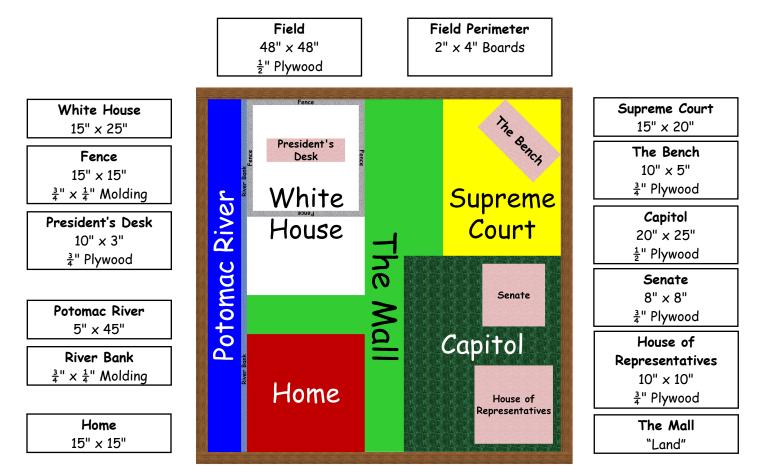
1



Mission Field Rendering



Mission Field Image



United States of America Capital



View from HOME



View & from POTOMAC RIVER & HOME



View from POTOMAC RIVER



View from WHITE HOUSE & POTOMAC RIVER



View from SUPREME COURT & WHITE HOUSE



View from SUPREME COURT



View from CAPITOL & SUPREME COURT



View from CAPITOL

- The bottom of the mission field is a 4' x 4' sheet of $\frac{1}{2}$ " plywood.
- The outer boundary of the mission field, also referred to as the border and field perimeter, is made of 2x4 boards (actual dimension of 1¹/₂" x 3¹/₂") and is *black*. The side of the 2x4 board that is 1¹/₂" is attached to the plywood with glue, nails, or screws.
- HOME is a 15" by 15" flat area and is red.
- POTOMAC RIVER is a 5" by 45" flat area and is *blue*. The POTOMAC RIVER includes the RIVER BANK that is made of $\frac{3}{4}$ " x $\frac{1}{4}$ " screen molding and is *dark blue*; the molding is fastened to the mission field with glue, nails, or screws. The screen molding can be purchased at Home Depot (part # 927-139).
- WHITE HOUSE is a 15" by 25" flat area and is *white*. WHITE HOUSE includes the FENCE that is 15" by 15", made of ³/₄" x ¹/₄" screen molding, and is *grey*, the molding is fastened to the mission field with glue, nails, or screws. The screen molding can be purchased at Home Depot (part # 927-139).
- PRESIDENT'S DESK is a 10" by 3" piece of ³/₄" plywood and is *rose*. PRESIDENT'S DESK is positioned 5" from the top border, 7¹/₂" from the left border, and is fastened to the plywood with glue, nails, or screws.
- SUPREME COURT is a 15" by 20" flat area and is yellow.
- THE BENCH is a 10" by 5" piece of ³/₄" plywood and is *rose*. THE BENCH is positioned at 45 degrees, touches the top border, touches the right border, and is fastened to the plywood with glue, nails, or screws.
- CAPITOL is a 20" by 25" piece of $\frac{1}{2}$ " plywood, is *dark green*, and is fastened to the plywood with glue, nails, or screws.
- HOUSE OF REPRESENTATIVES is a 10" by 10" piece of $\frac{3}{4}$ " plywood and is *rose*. HOUSE OF REPRESENTATIVES is positioned 1" from the right border, 1" from the bottom border, and is fastened to the plywood with glue, nails, or screws.
- SENATE is an 8" by 8" piece of ³/₄" plywood and is *rose*. SENATE is positioned 2" from the right border, 16" from the bottom border, and is fastened to the plywood with glue, nails, or screws. This positioning results in the SENATE being 5" from the HOUSE OF REPRESENTATIVES and 1" from the top edge of the CAPITOL.
- THE MALL is a flat "land" area and is *light green*.
- The *blue* color can be made by mixing 2 parts navy blue paint with 1 part white paint.
- The grey color can be made by mixing 2 parts black paint with 1 part white paint.
- The *rose* color can be made by mixing 2 parts red paint with 1 part white paint.
- The *light green* color can be made by mixing 1 part dark green paint with 2 parts yellow paint.

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Please contact <u>Mission.Control@EARLYrobotics.org</u> with any questions or comments.

Thank you for maintaining the spirit of the game!